# DATA ITEM DESCRIPTION

| 1. TITLE | 2. IDENTIFICATION NUMBER |
|---|---|
| PROGRAM PLAN | DI-FAA-M001 |
| **3. DESCRIPTION/PURPOSE**<br><br>**3.1** The Program Plan describes and depicts the Contractor's management structure.<br><br>**3.2** The Program Plan provides current information which is used to describe the approach, resources, and needs of the contractor to perform the management effort. | **4. APPROVAL DATE**<br><br>10/28/04 |
| | **5. RESPONSIBLE OFFICE**<br>NAS Power Systems Office |
| | **6. REFERENCE**<br>AMS |

**7. APPLICATION/INTERRELATIONSHIP**
This Data Item Description (DID) contains the format and preparation instructions for the Data Product generated by the Specific and Discrete Task Requirements as delineated in the Contract.

## 10. PREPARATION INSTRUCTIONS

**10.1** **Format.** The Program Plan format shall be contractor selected. The submission shall be 8 1/2 by 11 inch paper. One way foldouts may be used for graphic material.
Written documents shall be furnished in the following format:

a) Hard copy on 8.5" x 11" paper.
b) Hard copy drawing inserts maximum 11" x 17".
c) Soft copy MS Word, Windows 97 version for text.
d) Drawings could be PDF files or graphic inserts into Word documents.

**10.2** **Content.** The Program Plan shall provide information on the contractor's organization, practices and techniques to be used in managing the Program, specifically Management of Subcontracts.

**10.2.1** The Plan shall specifically contain the following:

**a.** A Chart showing the Structure of the Program Organization by Title and Name. Identify the Program Office, Support contractor's, and Major Subcontractors.

**b.** A Chart showing the Relationship of the Program Functions to the Functional Organizations indicating Lines of Authority and Communications

# DATA ITEM DESCRIPTION

| 1. TITLE | 2. IDENTIFICATION NUMBER |
|---|---|
| PROGRAM MANAGEMENT REPORT | DI-FAA-M002 |
| **3. DESCRIPTION/PURPOSE**<br>Report on the status of the program projects and orders. | **4. APPROVAL DATE**<br>10/28/04 |
| | **5. RESPONSIBLE OFFICE**<br>NAS Power Systems Office |
| | **6. REFERENCE** |

**7. APPLICATION/INTERRELATIONSHIP**
This Data Item Description (DID) provides the format and preparation instructions for the Data Product generated by the Specific and Discrete Task Requirements as delineated in the Contract.

## 10. PREPARATION INSTRUCTIONS

**10.1 Format.** The Program Management Report format shall be contractor selected. The submission shall be 8 1/2 by 11 inch paper. One way foldouts may be used for graphic material. Written documents shall be furnished in the following format:

a) Hard copy on 8.5" x 11" paper.
b) Hard copy drawing inserts maximum 11" x 17".
c) Soft copy MS Word, Windows 97 version for text.
d) Drawings could be PDF files or graphic inserts into Word documents.

**10.2 Content.** The Program Management Report shall provide information on the status of the program and on program planning. The report shall contain at least the following information:

1. Accomplishments and shortfalls of performance during the reporting period;
2. Planned activities for the next reporting period;
3. Outstanding action items;
4. Status of work relating to milestones and any near term and long term schedule changes;
5. Financial status comparisons between planned and actual expenditures against the current and projected budgets;
6. Problems and issues;
7. Assessment of risks;
8. Planned implementation trends;
9. Implications of changes in the software management matrix;
10. Logistics program elements (including activities under: CLINs 018 through 024; and
11. Special interest and action items.

# DATA ITEM DESCRIPTION

| 1. TITLE | 2. IDENTIFICATION NUMBER |
|---|---|
| QUALITY ASSURANCE (QA) PLAN | DI-FAA-Q001 |

**3. DESCRIPTION/PURPOSE**

**3.1** This plan is used to document the details of the contractor's Quality Assurance system, including management commitment to quality, system elements, policy and practices.

**3.2** This plan provides the Government contracting activity a basis for assessment of the quality system and evidence of the contractor's intent to comply with the contract quality requirements.

**4. APPROVAL DATE**

10/28/04

**5. RESPONSIBLE OFFICE**

NAS Power Systems Office

**6. REFERENCE**

**7. APPLICATION/INTERRELATIONSHIP**

**7.1** This DID contains the format and content preparation instructions generated by the specific and discrete task requirements as delineated in the contract.

10. PREPARATION INSTRUCTIONS

**10.1** The QA Plan shall be in accordance with the requirements of the specific standards cited in the contract. The Plan shall include traceability from the quality elements of the contract to the specific contractor/processes which support those elements. Additionally, quality system requirements needed to support the elements of the contract shall be fully described.

**10.2** Contractor format is acceptable.

**10.3** The plan shall identify the means by which the contractor will ensure quality system effectiveness and demonstrate comprehensive management and review of data, such that the results may be used to indicate trends and progress in the quality of test and repair. The plan shall describe what is measured, how often it is tracked, and who reviews and assures that appropriate action is initiated when trends are unfavorable.

**10.3.1** All updates shall consist of notes or changes to the plan, clearly identified as to where applicable (i.e. system element, page/paragraph, number, etc.,).

**10.4** All calibratable systems and equipment shall be traceable to the National Institute of Science and Technology (NIST).

DATA ITEM DESCRIPTION

**1. TITLE**

Contractor's Configuration Management Plan

**2. IDENTIFICATION NUMBER**

DI-FAA-Q002

**3. DESCRIPTION/PURPOSE**

**3.1** The Contractor's Configuration Management (CM) Plan describes the contractor's Configuration Management Program, how it is organized, how it will be conducted, and the methods, procedures and controls used to assure effective Configuration Identification, Change Control, Status Accounting, and Audits of the Total Configuration, including Hardware, Software, and Firmware. The principal use is to provide the Government a basis for Review, Evaluation, and Monitoring of the Configuration Management (CM) Program and its proposed components.

**4. APPROVAL DATE**

10/28/04

**5. RESPONSIBLE OFFICE**

NAS Power Systems Office

**6. REFERENCE**

**7. APPLICATION/INTERRELATIONSHIP**

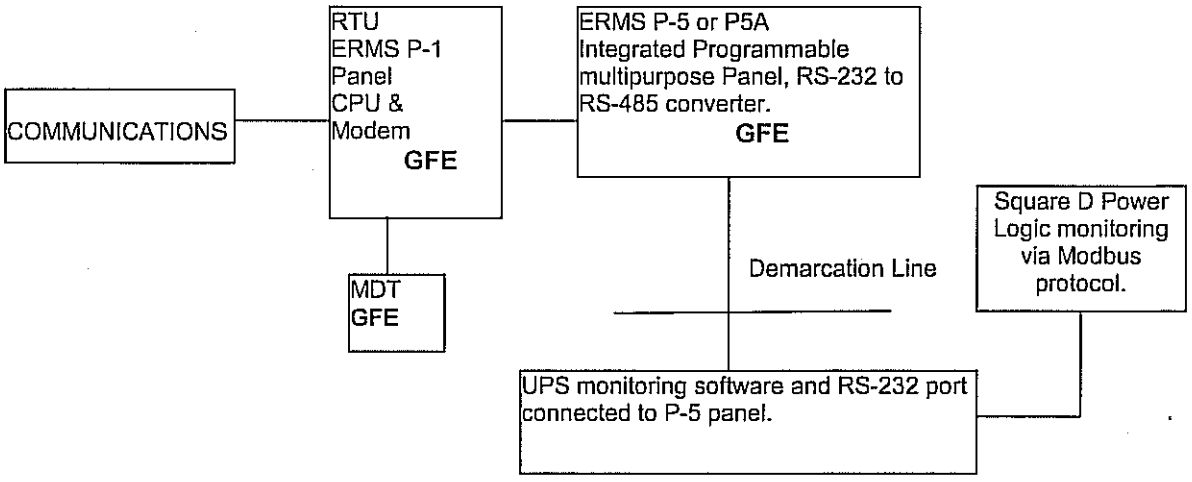
**7.1** This Data Item Description (DID) contains the format and preparation instructions for a Data Item resulting for Work Tasks described in MIL-HNBK-61.

**10. PREPARATION INSTRUCTIONS**

**10.1** **Format and Content.** The CCMP format and content shall be Contractor standard format.

| DATA ITEM DESCRIPTION | |
|---|---|
| **1. TITLE**<br>Software Interface Document | **2. IDENTIFICATION NUMBER**<br>DI-FAA-E001 |
| **3. DESCRIPTION/PURPOSE**<br>Facilitate a remote maintenance and monitoring connection between the UPS software monitoring and the FAA's interface equipment. Two monitoring requirements: 1) monitor UPS through use of Modbus protocol and Square D Power Logic monitoring system; and UPS RS – 232 port connection to FAA's Environmental Remote Monitoring System (ERMS). One or the other monitoring method will be used, not both simultaneously. | **4. APPROVAL DATE**<br>10/28/04 |
| | **5. RESPONSIBLE OFFICE**<br>NAS Power Systems Office |
| | **REFERENCE None.** |
| **7. APPLICATION/INTERRELATIONSHIP** | |
| 8.<br>For the ERMS monitoring the contractor is require to provide a Software Interface Document. The document shall define the serial data stream protocol accessible from the UPS RS-232 port. At a minimum the following information is required for this document:<br><br>1) Listing of all data points monitored and controlled.<br>2) Define the serial data stream; is it a serial protocol or network protocol. Provide the definition of the serial data protocol for conversion to FAA subsystem protocol.<br>3) Define what is needed to receive commands from the remote telemetry unit (RTU).<br>4) The document must contain the necessary detailed information allowing the FAA to write a software program interface to functionally connect the UPS software and the RTU software.<br><br>Document Submittal: Provide two hardcopies of the Software Interface Document. If, softcopy is available, not required for satisfaction of this DID, provide MS Word for windows 95 or 97 version. Provide softcopy on CD ROM. | |

Remote Maintenance Monitoring System



# DATA ITEM DESCRIPTION

| 1. TITLE: INTEGRATED SUPPORT PLAN (ISP) | 2. IDENTIFICATION NUMBER DI-FAA-L001 |
|---|---|
| 3. DESCRIPTION/PURPOSE<br><br>3.1 The Integrated Support Plan (ISP) describes the Contractor's plans for the management, control, execution, interface, and integration of all aspects of the Contractor's Integrated Logistic Support (ILS) Plan.<br><br>3.2 The ISP consists of the following sections:<br><br>1. Introduction.<br>2. Summary of System Characteristics.<br>3. ILS Program Management, Organization, and Execution.<br>4. Milestone Schedules.<br><br>3.3 The Contractor may demonstrate compliance with the requirement to provide ISP by providing the Government with either; an ISP, the applicable portions of their ISO 9000 series certification documentation, or a copy of internal corporate documentation that support both the scope and intent of the ISP as described in this paragraph and others within this DID.<br><br>3.3 The ISP or equivalent documentation is used by the Government to evaluate, monitor, and approve the Contractor's planning and performance of the ILS Program Task(s) as specified in the contract. | 4. APPROVAL DATE 10/28/04<br><br>5. RESPONSIBLE OFFICE NAS Power Systems Office<br><br>6. REFERENCE FAA AMS |

7. APPLICATION/INTERRELATIONSHIP

7.1 This Data Item Description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the contract.

10. PREPARATION INSTRUCTIONS

10.1 Reference Documents. The applicable issue of the documents cited herein, including their approval dates and the dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

10.2 General. The ISP or Contractor's ISO series 9000 documentation shall document the Contractor's management plans for gathering and analyzing data; management, control, and execution; integration and interface of the ILS Program Task(s) delineated in the contract. The Contractor's management plans shall demonstrate that the new system or equipment, when fielded, will satisfy all supportability criteria.

10.3 Format and Content. Contractor format may be used for either their ISO 9000 series documentation or internal corporate documentation. The format and content requirements for the ISP shall be as follows:

10.3.1 Organization and Preparation. The ISP shall be organized into four (4) major sections. The specific content of each major section shall be in accordance with the requirements set forth herein. The ISP shall be machine printed on loose durable white paper. Page size shall be 8-1/2 by 11 inches. Pages shall be punched suitable for binding in a three ring loose leaf binder. In addition to the required hard copy, the contractor is requested to provide the Government with an additional electronic copy, if available.

**10. PREPARATION INSTRUCTIONS Continued:**

10.3.2 Sections. The ISP shall contain all sections identified in this paragraph even if there are no data or narratives required for a section or element (e.g., if there are no tasks, requirements, or other standards, the Contractor shall enter "NOT APPLICABLE" and state the reason(s), e.g., "NOT REQUIRED BY CONTRACT".

**INTEGRATED SUPPORT PLAN**
**(ISP)**
**SECTION 1**
**INTRODUCTION**

SECTION 1 - Introduction. This section shall identify the ISP Requirements as specified in the Statement of Work (SOW). This section shall be formatted and contain the data as shown below:

Purpose and Scope. Provide a concise statement on the scope and intended purpose of the ISP as the document for managing and executing the contractual ILS Program.

ISP Summary. Provide a concise description of the ISP sufficient to establish a clear understanding of the total scope, content, and organization of the material.

Updating Process. Provide a description of the manner in which changes and revisions to the content of the ISP shall be developed, approved, and incorporated therein.

**INTEGRATED SUPPORT PLAN**
**(ISP)**
**SECTION 2**
**SUMMARY OF SYSTEM CHARACTERISTICS**

SECTION 2 - Summary of System Characteristics. This section shall be a summary of the details contained in the Contractor's System Specifications and shall provide an understanding of the significant characteristics of the system and the manner in which the system shall be employed in its intended operational environment. This Section shall be formatted and contain the data as shown below:

System/Equipment Description. Provide a brief description of functional and physical characteristics of the system and its major subsystems for each model and type of system provided. Also, include a description of the physical and functional relationships between the contract end item and associated systems with which they shall interface when operational. Use block diagram(s) or other graphic means to support the text.

Operating Environment. Describe the operational environment. Include annual operating hours, duty cycles, maximum allowable downtime, life expectancy, environment, and other requirements, as applicable.

Availability Requirements. State the operational availability as contained in the Contractor's System Specifications. Include predicted and demonstrate values, when available.

Reliability Requirements. State the reliability as contained in the Contractor's System

Specifications. Include Mean time Between Failure (MTBF) and Mean time To Repair (MTTR). Include predicted and demonstrate values when available.

Quantitative Maintainability Requirements. State the Quantitative Maintainability Requirements contained in the Contractor's System Specifications. Include requirements for test points, and built-in-test, manpower and personnel constraints, and other requirements, as applicable.

Maintainability Design Criteria. Summarize the Maintainability Design Criteria developed in response to the Maintainability Requirements.

10. PREPARATION INSTRUCTIONS Continued:

Other Requirements. Summarize any other logistic-related requirements no listed above.

## INTEGRATED SUPPORT PLAN
## (ISP)
## SECTION 3
## ILS PROGRAM MANAGEMENT, ORGANIZATION, AND EXECUTION

SECTION 3 - ILS Program Management, Organization, and Execution. This Section shall provide a description of the overall process, involving both the Government and the Contractor, that shall be used in managing and executing the contractual ILS Program. This Section shall be formatted and contain the data as shown below:

Contractor's Objectives, Policies, and General Management Procedures. State the objectives, policies, and general management procedures that relate to the ILS Program.

Contractor's ILS Organizational Structure. Describe the organizational structure that has been selected to accomplish the contractual ILS Program effort. Identify names, positions, functions, responsibilities, and authority of those responsible for satisfying the contractual ILS Program Requirements.

Sub-Contractor and Vendor Interface Management. List the major subcontractor's involved in the ILS Program, and describe the scope of ILS work assigned to each, the method of controlling the accomplishment of this work, and the organizational interfaces established with each subcontractor. Include a general description of the method of specifying ILS Requirements in vendor purchase orders and controlling the accomplishment of specific work and deliverables.

Government ILS Organizational Interfaces. Describe the Government ILS organization and indicate the relationship with the Contractor's ILS organization delineated in Section 3, Contractor ILS Organizational Structure, above.

## INTEGRATED SUPPORT PLAN
## (ISP)
## SECTION 4
## MILESTONE SCHEDULES

SECTION 4 - Master Milestones. This section shall contain the Master Milestones as planned and scheduled for the ILS effort. This section shall be formatted and contain the data shown below:

Master Milestone Chart. The Master Milestone Chart to include all program milestones and all ILS Program Tasks as defined in the NAILS CDRLs/DIDs.

# DATA ITEM DESCRIPTION

| 1. TITLE<br>RECOMMENDED SPARE PARTS LIST (RSPL) | 2. IDENTIFICATION NUMBER<br>DI-FAA-L002 |
|---|---|
| 3. DESCRIPTION/PURPOSE<br><br>3.1 The Recommended Spare Parts List (RSPL) is a listing of the contractor's Recommended Spare parts for both on-site and depot, to maintain the System. It will be used by the Government to determine Spare Parts Stocking Levels. | 4. APPROVAL DATE<br>10/28/04 |
| | 5. RESPONSIBLE OFFICE<br>NAS Power Systems Office |
| | 6. REFERENCE<br>FAA AMS |

**7. APPLICATION/INTERRELATIONSHIP**

7.1 This data Item Description (DID) contains the format and content preparation instructions for the Data Product generated by the specific and discrete Task Requirement for this Data included in the Contract.

**10. PREPARATION INSTRUCTIONS**

10.1 General. The List(s) shall contain contractor's recommended quantities of both site and depot Spare Part required for each UPS model that the Government may purchase under this contract. The criteria for spare parts (both site and depot) shall be based on Contractor's failure/usage data. The source of failure/usage rates and methodology for spares computation shall be included as a preface to the recommended spares list(s). Tools and support/test equipment shall not be included on the recommended spares lists. Both a site and depot recommended spare parts lists shall be submitted for each model of the end item of equipment that could be or has been previously purchased by the Government. The List(s) shall be broken down to the Lowest Replaceable Unit (LRU). The lists shall be prepared using Contractor's format (see minimum items of information below).

The List shall contain, as a minimum, the following information for each item:

- **a.** Item Name/Description.
- **b.** Manufacturer's/Vendors Part Number
- **c.** NSN (if available)
- **d.** Manufacturer's CAGE Code (if available)
- **e.** Recommended quantity for site spares
- **f.** Recommended quantity for depot spares
- **g.** Unit price
- **h.** h. Remarks

10.2 Format. The Microsoft versions of Word, and Excel will evolve with time, therefore the Government reserves the right to change soft copy versions as the agency upgrades its LAN enterprise services. Provide softcopy on CD ROM or email.

10.2.1 Written documents shall be furnished in the following format:

a) Hard copy on 8.5" x 11" paper.
b) Soft copy MS Word, Windows 97 version for text.

10.2.2 Spreadsheet documents shall be delivered in the following format:

a) Hard copy on 8.5" x 11" paper.
b) Soft copy MS Excel, Windows 97 version.

# DATA ITEM DESCRIPTION

| 1. TITLE CONTRACTOR LOGISTICS SUPPORT (CLS) SUPPLY SUPPORT AND TECHNICAL ASSISTANCE, AND CLS COST REPORT | 2. IDENTIFICATION NUMBER DI-FAA-L003 |
|---|---|
| 3. DESCRIPTION/PURPOSE<br><br>3.1 The CLS Supply Support and technical Assistance, and CLS Cost Report is used to collect data from the logistic support contractor.<br><br>3.2 The technical assistance data is used to track field and second level assistance requirements. The supply support data is used to track parts usage. CLS cost data is used to evaluate contract performance, identify the magnitude and impact of actual or potential problem areas causing significant cost and schedule variances and provide timely program status information. | 4. APPROVAL DATE 10/28/04<br><br>5. RESPONSIBLE OFFICE NAS Power Systems Office<br><br>6. REFERENCE<br><br>FAA AMS |

**7. APPLICATION/INTERRELATIONSHIP**

**7.1** This Data Item Description (DID) contains the format and content preparation instructions for the data products generated by the specific task requirements included in the contract.

**7.2** This DID is applicable when a contractor is required to perform logistic support.

**10. PREPARATION INSTRUCTIONS**

**10.1** Format and Content. The report shall consist of a cover letter and spreadsheet data on supply support and technical assistance support. The cover letter shall display the report title, date, the period covered by the report, the current contract number, and the preparing and approving official's signature block and signature. This information shall be provided in Hard Copy and Electronic Media per the CDRL. Electronic media and spreadsheet format will be approved during the Logistics Guidance Conference.

**10.1.1** Supply Support Required Data

**Column A:** SITE. The three (3) letter FAA Site Designator, or the actual FAA equipment name and city of the FAA Site goes in this block.

**Column B:** CLS P/N. If applicable, this is the part number assigned by the CLS to track Line Replaceable Units (LRU's) made by the CLS contractor and any Original Equipment Manufacturers (OEM) parts for consistency in ordering and tracking.

**Column C:** OEM P/N. This is the part number used by the Original Equipment Manufacturer to identify OEM LRU's.

**Column D:** OEM MFGR. Noun name of the OEM manufacturer. (*If the CLS contractor manufactures parts for the system under CLS, he is also an OEM manufacturer*)

**Column E:** C/E. Abbreviations for "Consumable"/"Expendable". Enter the single letter code to identify the type of LRU.

**Column F:** NOMENCLATURE. This is the noun name associated with the CLS contractor and OEM LRU part numbers.

**Column G:** END ITEM SUBASSEMBLY USED ON. The LRU to be replaced is installed in a "Subassembly" which ultimately goes into the "System End Item".

**Column H:** DATE ORDER RECV'D @contractor's. Date the order was received from the FAA Logistics Center (FAALC) CLS Desk.

**Column I:** FAALC VOUCHER NUMBER. This is an eight (8) digit number assigned by the CLS Desk at the FAALC to track LRU's being ordered by the FAA Sites.

**Column J:** PRI. This is the priority assigned by the FAA site, when the LRU is ordered. FAA priorities are defined in SOW 3.6.3.7.

**Column K:** DATE NEW LRU SENT TO SITE. This is the date that the CLS actually sends the LRU to the FAA Site, or has the LRU drop shipped to the FAA Site by an OEM Vendor.

**Column L:** QTY SHIPPED. Total quantity of the individual LRU that has been ordered by an FAA Site, and then shipped to that FAA Site.

**Column M:** SHIP MODE. Type of shipping mode used by the CLS to ship the LRU to the FAA Site. (FEDEX, UPS, etc.)

**Column N:** BILL OF LADING NUMBER. Shipping Companies (FEDEX, UPS, etc.) tracking number.

**Column Q:** LRU DISCREPANCY. If available, list the LRU discrepancy originated by the FAA Site.

**Column T:** COST OF ITEM. Cost to repair or replace an LRU that is being returned to CLS Stock as ready for issue.

10.1.2 **Technical Assistance Data** This section contains information concerning man-hour accounting for contractor personnel at each maintenance site (this includes Travel, On-site and In-plant Technical Assistance) for the period being reported. This report shall be in **contractor format,** as approved by the Government. It shall be delivered in both **"Hard Copy"** and **"Electronic Media."** Data points and contractor format shall be submitted by the contractor at the Logistics Guidance Conference for Government approval.

10.1.3 Monthly CLS Cost Report. CLS cost reporting will be used by the FAA Program Manager to evaluate contract performance, identify the magnitude and impact of actual and potential problem areas causing significant cost and schedule variances. Recommended data points and contractor format shall be submitted by the contractor at the Logistics Guidance Conference for Government approval.

10.1.4 Annual Consolidated/Cumulative Maintenance and Cost Report. The contractor shall submit an Annual Consolidated/Cumulative Report based on the Monthly reporting requirements of this DID, and shall be in the same format as approved by the Government for the monthly reporting.

CONTRACTOR DEPOT LOGISTICS SUPPORT (CDLS)
MAINTENANCE AND COST REPORTING: SECTION I

## CDLS CONSOLIDATED MONTHLY MAINTENANCE MANAGEMENT SYSTEM SORTED BY DATE

3:22 PM 3/21/2008

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SITE | CDLS P/N | OEM P/N | OEM MFGR | R/C/E | LRU NOMENCLATURE | END ITEM SUBASSEMBLY THAT LRU IS USED ON | DATE ORDER RECV'D @ DEPOT | FAALC VOUCHER NUMBER | PRI | DATE NEW LRU SENT TO SITE | QTY SHIPPED | SHIP MODE | BILL OF LADING NUMBER | DATE BAD LRU RECV'D @ DEPOT | RMA NUMBER | LRU DISCREPANCY | LRU MAINTENANCE ACTION | RETURNED TO STOCK | COST OF ITEM |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | |

15 Column A: "SITE"; The three letter FAA Site Designator, of the actual FAA equipment name and city of the FAA Site goes in this column.
16 Column B: "CDLS P/N"; Part Number assigned by CDLS Depot to track Line Replaceable Units (LRU's) made by CDLS contractor/Original Equipment Manufacturers(OEM) parts, for consistency in ordering & tracking
17 Column C: "OEM P/N"; This is the Part Number used by the Original Equipment Manufacturer to identify OEM LRU's.
18 Column D: "OEM MFGR"; Noun name of the OEM manufacturer. *(If CDLS contractor manufactures LRU's for the system under CDLS, he is also an OEM MFGR)*
19 Column E: "R/C/E"; Abbreviations for "Repairable"/"Consumable"/"Expendable". Enter single letter code to identify type of LRU.
20 Column F: "Nomenclature"; This is the Noun Name associated with the CDLS and OEM LRU Part Numbers.
21 Column G: "End Item Subassembly LRU Used On"; The LRU to be repaired/replaced/etc., is installed in a "Subassembly" which ultimately goes into the "System End Item".
22 Column H: "Date Order Recv'd @ Depot"; Date the order was received from the FAA Logistics Center CDLS Desk.
23 Column I: "FAALC VOUCHER NUMBER"; This is the eight (8) digit number assigned by the CDLS Desk at the FAALC to track the part being ordered by the Site.
24 Column J: "PRI"; This is the priority assigned by the Site, when the part is ordered.
25 Column K: "DATE NEW LRU SENT TO SITE"; This is the date that the CDLS Depot sends the LRU to the FAA Site, or has the LRU "Drop Shipped" to the site by the OEM Vendor.
26 Column L: "QTY SHIPPED"; Total quantity of an individual LRU ordered, that have been ordered by an FAA Site, and then shipped to that FAA Site.

Column M: "SHIP MODE"; Type of shipping mode used to ship the part to the site. (FEDEX, UPS, etc.)
Column N: "BILL OF LADING NUMBER"; Shipping Companies tracking number.
Column O: "BAD LRU RECV'D @ DEPOT"; Date the bad repairable unit was received at the CDLS Depot.
Column P: "RMA #"; This is the Return Material Authorization Number that is sent by the CDLS Depot to track the return of a bad LRU to the CDLS Depot
Column Q: "LRU DISCREPANCY"; If available, list the discrepancy originated by the Site, or the discrepancy found when the repairable unit was repaired.
Column R: "LRU MAINTENANCE ACTION"; The action that was taken to return the repairable to a fully operational and ready for issue state.
Column S: "RETURNED TO STOCK"; Date the repaired unit was returned to stock ready for issue.
Column T: "COST OF ITEM"; Cost to repair or replace an item that is being returned to stock as ready for issue.

# APPENDIX A

# CDLS QUARTERLY STOCK STATUS REPORT



| | A | B | C | D | E | F | G | H | I | J | K |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | LRU MANUFACTURER | LRU PART NUMBER | LRU NOMENCLATURE | R/C/E | SERIAL NUMBER (If Applicable) | END ITEM/ END ITEM SUBASSEMBLY USED ON | QTY IN STOCK | QTY ON ORDER | LRU LOW LIMIT BEFORE REORDER | COST OF LRU | COMMENTS |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 6 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | Column A: LRU MANUFACTURER. Enter noun name of manufacturer providing LRU/assembly maintained in the CDLS Depot inventory. | | | | | | | | | | |
| 10 | Column B: LRU PART NUMBER. Enter CDLS/OEM part number for each LRU/assembly maintained in the CDLS Depot inventory. | | | | | | | | | | |
| 11 | Column C: LRU NOMENCLATURE. Enter the noun name of the LRU/assemblies maintained in the CDLS Depot inventory. | | | | | | | | | | |
| 12 | Column D: R/C/E. Enter whether the LRU/assembly is repairable, consumable, or expendable. | | | | | | | | | | |
| 13 | Column E: SERIAL NUMBER (If Applicable). Enter LRU/assembly serial number . (Serial Number applicability will normally be for repairable or high cost expendable items) | | | | | | | | | | |
| 14 | Column F: END ITEM END ITEM SUBASSEMBLY USED ON. Enter the End Item/End Item Subassembly that the subassembly/LRU is used in. | | | | | | | | | | |
| 15 | Column G: QTY IN STOCK. Enter total number of Subassemblies/LRU's in stock at the CDLS Depot. | | | | | | | | | | |
| 16 | Column H: QTY ON ORDER. Enter total number of subassemblies/LRU's on order at the CDLS Depot to replenish depleted stocks.. | | | | | | | | | | |
| 17 | Column I: LRU LOW LIMIT BEFORE REORDER. Enter the low limit an LRU/assembly must reach before the item is reordered. | | | | | | | | | | |
| 18 | column: COST OF LRU. Enter the cost required to replenish/restock an LRU/assembly to the CDLS Depot. | | | | | | | | | | |
| 19 | Column K: COMMENTS. (If Applicable) Enter any applicable comments to the LRU/assembly listed in that row | | | | | | | | | | |
| 20 | | | | | | | | | | | |

**APPENDIX A**

# CDLS EXPENDITURES, CONTRACT YEAR X OF X



| CDLS CLIN's & SYSTEMS | CLIN AMOUNT | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | EXPENDED | BALANCE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0001A Material & Transport | | | | | | | | | | | | | | | |
| Name of System | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0001A TOTALS | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0001B Repln Depot Spares | | | | | | | | | | | | | | | |
| Name of System | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0001B TOTALS | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0001C On-site Tech Assist | | | | | | | | | | | | | | | |
| Name of System | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0001C TOTALS | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0001C1 Travel | | | | | | | | | | | | | | | |
| Name of System | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0001C1 TOTALS | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0001D Program Mngmnt | | | | | | | | | | | | | | | |
| Name of System | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0001D TOTALS | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |

## CDLS EXPENDITURES, CONTRACT YEAR X OF X



| CDLS CLIN's & SYSTEMS | CLIN AMOUNT | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | MM/YR | EXPENDED | BALANCE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0001E Depot Spares | | | | | | | | | | | | | | | |
| Name of System | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0001F In-plant Tech Assist | | | | | | | | | | | | | | | |
| Name of System | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0002A Conference Agenda | | | | | | | | | | | | | | | |
| Name of System | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0002B Conference Minutes | | | | | | | | | | | | | | | |
| Name of System | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0002C CDLS Maint & Cost Reports | | | | | | | | | | | | | | | |
| Name of System | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |
| 0002D ACEPS REP /EXP. LRU LIST | | | | | | | | | | | | | | | |
| Name of System | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 | $0.00 |

# DATA ITEM DESCRIPTION

| 1. TITLE<br>SUPPORT EQUIPMENT CANDIDATE LIST (SECL) | 2. IDENTIFICATION NUMBER<br>DI-FAA-L004 |
|---|---|
| 3. DESCRIPTION/PURPOSE<br><br>The recommended Support Equipment Candidate List identifies the test parameter requirements for maintenance, test, alignment, and calibration to support maintenance during the operational lifecycle of the UPS unit, batteries or ancillary equipment. This list also identifies the unique and special tools, materials, and test equipment required to support maintenance. This recommended requirements list provides the basis for the using activity to determine if existing general purpose test equipment can be utilized. The unique and special tools, materials, and test equipment list provides the basis for the acquisition and subsequent support of each new item | 4. APPROVAL DATE<br><br>10/28/04 |
| | 5. RESPONSIBLE OFFICE<br>NAS Power Systems Office |
| | 6. REFERENCE<br>FAA AMS |

7. APPLICATION/INTERRELATIONSHIP

This data item contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement delineated in the contract.

10. PREPARATION INSTRUCTIONS

The recommended Support Equipment Candidate List includes the support equipment, tools, and materials, including computer maintenance and support hardware and software required to maintain the system or equipment at the level of maintenance identified in the contract. The recommended support equipment list shall contain two separate parts, a general purpose support equipment list and a special purpose support equipment list.

General purpose support equipment recommendations.
This part includes the generic support equipment that is commercially available and can normally be used for more than one purpose. (sample format Figure 1.)

Special purpose support equipment recommendations.
This part lists unique jigs, fixtures, and special support equipment, including single source and proprietary items. (Sample format Figure 2.)

Item Information.
Provides the following information for each item of recommended support equipment on the list. Pertains to both general and special purpose recommended support equipment lists.

System or equipment under test.
Identifies the application of a recommended test item, system, or component. Items subject to test shall be identified by the following:

Manufacturer/Government Entity (CAGE) code.
Model/Part Number
Item Name

Parameters to be tested.
Describe the test, adjustment, or calibration to be performed. Be as general as possible, including only absolute requirements. This information reflects the actual characteristics required by the prime

equipment rather than the characteristics of the particular model of support equipment recommended. Include the following:

Nature of test

Value or range of values

Tolerance of these values

**General purpose support equipment.**
List the generic name for each item, such as, oscilloscope, voltmeter, hydrometer, etc.

**Special purpose support equipment.**
When a specific item of support equipment is recommended, include the Manufacturer/CAGE code, the Model/Part Number, and the item name. Include a statement justifying the selection of each item of special purpose support equipment. Include the unit price for each of these items.

**Quantity On-Site**
Record the number of each support equipment item required to perform the test described at the local site..

**SAMPLES FORMATS**

| GENERAL PURPOSE SUPPORT EQUIPMENT | | | | |
|---|---|---|---|---|
| **SE ITEM NO** | **SYSTEM/EQUIPMENT UNDER TEST** | **PARAMETERS TO BE TESTED** | **RECOMMENDED TEST EQUIPMENT** | **QTY ON SITE** |
| 1 | ACCUDATA 117 DC AMPLIFIER (0BC28) | 30 HZ - 20 KHZ @ 1 VRMS +/- 5% BANDPASS | RMS VOLTMETER | 1 |
| 2 | SAME | 10 V P-P FROM 30 HZ - 20 KHZ VISUAL DISTORTION | OSCILLOSCOPE | 1 |
| 3 | SAME | DC PWR SUPPLY 5 VDC +/- 0.01V 10 VDC +/- 1V 14.5 VDC +/- 0.1V W/100 KOHM MIN INPUT IMPEDANCE | DC VOLTMETER | 1 |
| 4 | GENERAL/MULTIPLE USE | AC LINE CORD CONTINUITY | MULTIMETER | 1 |
| 5 | | | | |
| | | | | |

Remarks:

***FIGURE 1, Sample Format***

| SPECIAL PURPOSE TEST EQUIPMENT | | | | |
|---|---|---|---|---|
| SE ITEM NO | SYSTEM/EQUIPMENT UNDER TEST | PARAMETERS TO BE TESTED | RECOMMENDED SUPPORT EQUIPMENT | QTY ON SITE |
| 1 | 85-02277-002 (33875) HEATSINK ASSY | RECTIFIER INSTALLATION ADJUSTMENT | ALIGNMENT TOOL GE 118C8388P1 | 1 |
| 2 | 441C RECORDER PRECISION ECHO (54089) | TAPE TENSION ADJUSTMENT | TAPE TENSION GAGE T2-H20-1 TENTEL (54632) | 1 |
| 3 | HP-3964A (28580) RECORDER | POWER REGULATION 85-135 VAC | TRANSFORMER VARIABLE MT3A GENRAD (24655) | 1 |
| 4 | | | | |
| 5 | | | | |
| | | | | |
| | | | | |

Justification statement:

1. This alignment tool is specifically designed for replacement of the rectifier and if not used will cause early failure of the rectifier due to insufficient heat transfer via the heat sink. No other tool available meets the requirements. Unit cost is $50.00 EA
2. This is the only known gage that will accurately measure tape tension for this adjustment. Unit cost $350.00 EA
3. No other transformer available meets requirements. Unit cost is $212.00 EA

***FIGURE 2, Sample Format***

# DATA ITEM DESCRIPTION

| 1. TITLE<br>COMMERCIAL SUPPORT DOCUMENTATION (CSD) | 2. IDENTIFICATION NUMBER<br>DI-FAA-L005 |
|---|---|
| 3. DESCRIPTION/PURPOSE<br>3.1 Provides the requirements necessary for the commercial support documentation (CSD) to support UPS units, batteries, and ancillary equipment purchased from the Contractor. | 4. APPROVAL DATE<br>10/28/04 |
| | 5. RESPONSIBLE OFFICE<br>NAS Power Systems Office |
| | 6. REFERENCE<br>FAA AMS |

**7. APPLICATION/INTERRELATIONSHIP**

**7.1** This Data Item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the contract.

**7.2** Maintenance Concept:

1. FAA technicians will perform all of the tasks that the Contractor's Customer Service Engineer or Field Service Engineer(s) perform during visits to a customer site(s). Tasks shall include, but are not limited to, inspection of equipment, troubleshoot/diagnosis to fault, removal of failed parts/LRU(s), replacement of failed parts/LRU(s) and validation and certification (if applicable) that the system is operational and available for operation.

2. The level of documentation and training provided to the government (FAA technicians) shall therefore be commensurate to that provided by the Contractor to their Customer Service Engineers or equivalent Customer/Field Service Personnel.

**10. PREPARATION INSTRUCTIONS**

**10.1 Format.** Contractor format is authorized and encouraged. Whether produced by Automated or Manual means, it shall be three-hole punched at the left side, for use in a standard three-ring binder. A single copy of the deliverable shall consist of both a paper copy and an electronic media disk(s).

**10.2 Baseline Documentation**

The Government product baseline for all items ordered under this contract shall consist as a minimum of the documentation listed below:

1. Technical Instruction Manuals (applicable to ordered hardware, software, &/or firmware) 2. Service/Technical Bulletins (applicable to ordered hardware, software, &/or firmware)
3. Maintenance Manuals (applicable to ordered hardware, software, &/or firmware)
4. Engineering Drawings & Schematics (applicable to ordered hardware, software, &/or firmware)